

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings include changes to Figs. 2 and 3. These sheets, which include Figs. 2 and 3, replacing the original sheets including Figs. 2 and 3.

Attachments: Replacement Sheets

REMARKS

Claims 1-15 are presently active in this case. The amendment amends claims 1, 2, 4, 12 and 13.

Restriction Requirement

In response to the Examiner's restriction/election requirement, Applicant elects to prosecute Group I including claims 1-6 and 12-15 and withdraws claims 7-11. Applicant specifically reserves the right to file a divisional application directed to non-elected claims 7-11.

Objections to the Specification

In the outstanding Office Action, the specification is objected because of informalities. In response to the objection, Applicant has amended the specification according to the Examiner's instruction. Withdrawal of the objection is respectfully requested.

Claim Objections

In the outstanding Office Action, claims 1, 2, 4 and 13 are objected to because of informalities. In response to the objection, Applicant has amended the claims to comply with the Examiner's requirement. Withdrawal of the objection is respectfully requested.

Claim Rejections under 35 U.S.C. § 103

Claims 1-6 and 12-15 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Schaefer (5,446,393) in view of Mayor (6,700,388) and Silvester. Applicant traverses.

Claim 1 recites an electromagnetic interference (EMI) measuring method comprising: acquiring a set of time-domain waveforms from a group of equably distributed test points on an Equipment Under Test (EUT) and the test points are well numbered; and processing including converting, comparing and analyzing the waveforms and specifying a frequency, the test point bearing the maximum value under the specified EMI frequency is found out and the position where the test point located should be the location of the EMI source.

Schafer discloses a probe used for electrical measuring and testing. However, Schafer does not disclose anything about how to test Electromagnetic Interference (EMI).

Mayor discloses an automate EMI testing method including analyzing an analog input signal in frequency band segments. In Mayor, different frequency sub-bands are sequentially selected for analysis to determine whether the EMI levels within the selected sub-band are acceptable. Different from Mayor, claim 1 addresses how to locate the source of EMI in the Equipment Under Test (EUT) under a specified frequency. Mayor and the present invention solve different problems.

Silvester relates to finite elements in one dimension. Silvester addresses how to determine the distribution of signal voltage along the line. Silvester does not provide any

suggestion or motivation that its method of equally spacing elements can be used for the purpose of MCI measuring as recited in claim 1 of the present invention, given that those elements must be in mathematic order and must be in the same line.

Applicants respectfully submit that in order to establish a *prima facie* case of obviousness, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. As described above, Schafer, Mayor and Silvester solve totally different problems, and Schafer and Silvester disclose nothing about EMI testing. Therefore, there would be no motivation or suggestion for one of ordinary skill in the art to combine Schafer, Mayor and Silvester to arrive at the presently claimed invention based on the disclosures of the recited references.

Accordingly, Applicants respectfully submit that independent claim 1 is allowable for the reason set forth above.

Applicants respectfully submit that dependent claims 2-6 and 12-15 are allowable by virtue of their dependency on allowable independent claim 1.

CONCLUSION

In view of the above remarks and amendments, reconsideration of all outstanding objections and rejections, and allowance of each of claims 1 -15 in connection with the present application is earnestly solicited.

If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to contact the undersigned.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge any underpayment or non-payment of any fees required under 37 C.F.R. §§ 1.16 or 1.17, or credit any overpayment of such fees, to Deposit Account No. 08-0750, including, in particular, extension of time fees.

Respectfully submitted,

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